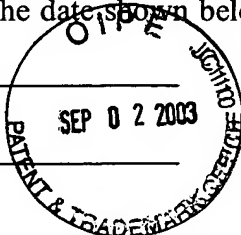


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August 28, 2003

Margaret H. Erfron
Margaret H. Erfron, Patent Attorney



INFORMATION DISCLOSURE
STATEMENT
Patent Application
Docket No. UF-375
Serial No. 10/602,394

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : (not yet assigned)
Applicant(s) : Carrie Haskell-Luevano
Serial No. : 10/602,394
Filed : June 23, 2003
Conf. No. : (not yet assigned)
For : Novel Melanocortin Receptor Templates, Peptides, and Use Thereof

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

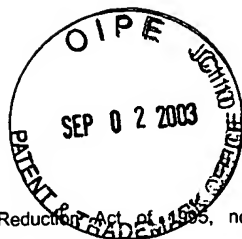
The applicant respectfully asserts that the substantive provisions of 37 C.F.R. §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

Margaret H. Efron
Patent Attorney
Registration No. 47,545
Phone No.: 352-375-8100
Fax No.: 352-372-5800
Address: 2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

MHE/ba

Attachments: Form PTO/SB/08 (3 pages) and references listed thereon (32 refs.).



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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/602,394
				Filing Date	June 23, 2003
				First Named Inventor	Carrie Haskell-Luevano
				Art Unit	(not yet assigned)
				Examiner Name	(not yet assigned)
Sheet	1	of	3	Attorney Docket Number	UF-375

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
	U1	US- 6,127,381		10-03-2000	Basu <i>et al.</i>	All
	U2	US- 6,451,783	B1	09-17-2002	Hadcock <i>et al.</i>	All
	U3	US-				
	U4	US-				
	U5	US-				
	U6	US-				
	U7	US-				
	U8	US-				
	U9	US-				
	U10	US-				
	U11	US-				
	U12	US-				
	U13	US-				
	U14	US-				
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	U18	US-				
	U19	US-				
	U20	US-				

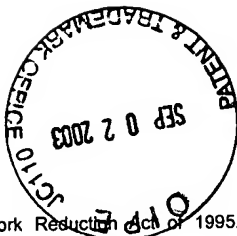
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
	F1	WO	01/74844 A2	10-11-2001	F. Hoffmann-La Roche Ag	All	
	F2	WO	02/18437 A2	03-07-2002	F. Hoffmann-La Roche Ag	All	
	F3	WO	03/006620 A2	01-23-2003	Palatin Technologies, Inc.	All	
	F4	WO	99/21571 A1	05-06-1999	Trega Biosciences, Inc.	All	
	F5	WO	99/54358 A1	10-28-1999	Quadrant Holdings Cambridge Limited	All	
	F6						
	F7						
	F8						
	F9						
	F10						

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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/602,394
				Filing Date	June 23, 2003
				First Named Inventor	Carrie Haskell-Luevano
				Group Art Unit	(not yet assigned)
				Examiner Name	(not yet assigned)
				Attorney Docket Number	UF-375
Sheet	2	of	3		

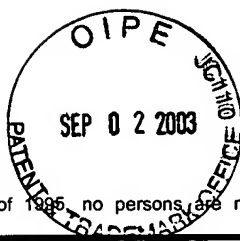
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	BOLIN, K.A. <i>et al.</i> "NMR Structure of a Minimized Human Agouti Related Protein Prepared by Total Chemical Synthesis" <i>FEBS Letters</i> , 1999, pp. 125-131, Vol. 451.	
	R2	CASTRUCCI, A.M.L. <i>et al.</i> " α -Melanotropin: The Minimal Active Sequence in the Lizard Skin Bioassay" <i>General and Comparative Endocrinology</i> , 1989, pp. 157-163, Vol. 73.	
	R3	HRUBY, V.J. <i>et al.</i> " α -Melanotropin: The Minimal Active Sequence in the Frog Skin Bioassay" <i>J. Med. Chem.</i> , 1987, pp. 2126-2130, Vol. 30.	
	R4	HOLDER, J. R. <i>et al.</i> "Structure-Activity Relationships of the Melanocortin Tetrapeptide Ac-His-DPhe-Arg-Trp-NH ₂ at the Mouse Melanocortin Receptors. 1. Modifications at the His Position" <i>J. Med. Chem.</i> , 2002, pp. 2801-2810, Vol. 45.	
	R5	HOLDER, J. R. <i>et al.</i> "Structure-Activity Relationships of the Melanocortin Tetrapeptide Ac-His-DPhe-Arg-Trp-NH ₂ at the Mouse Melanocortin Receptors: Part 2 Modifications at the Phe Position" <i>J. Med. Chem.</i> , 2002, pp. 3073-3081, Vol. 45.	
	R6	JACKSON, P. J. <i>et al.</i> "Design, Pharmacology, and NMR Structure of a Minimized Cystine Knot with Agouti-Related Protein Activity" <i>Biochemistry</i> , 2002, pp.7565-7572, Vol. 41. No. 24.	
	R7	KAVARANA, M. J. <i>et al.</i> "Novel Cyclic Templates of α -MSH Give Highly Selective and Potent Antagonists/Agonists for Human Melanocortin-3/4 Receptors" <i>J. Med. Chem.</i> , 2002, pp. 2644-2650, Vol. 45.	
	R8	KIEFER, L. L. <i>et al.</i> "Melanocortin Receptor Binding Determinants in the Agouti Protein" <i>Biochemistry</i> , 1998, pp. 991-997, Vol. 37.	
	R9	KIEFER, L. L. <i>et al.</i> "Mutations in the Carboxyl Terminus of the Agouti Protein Decrease Agouti Inhibition of Ligand Binding to the Melanocortin Receptors" <i>Biochemistry</i> , 1997, pp. 2084-2090, Vol. 36.	
	R10	KIM <i>et al.</i> , "Hypothalamic Localization of the Feeding Effect of Agouti-Related Peptide and α -Melanocyte-Stimulating Hormone," <i>Diabetes</i> , February 2000, pp. 177-182, Vol. 49.	
	R11	HASKELL-LUEVANO, C. <i>et al.</i> "Characterization of Melanocortin NDP-MSH Agonist Fragments at the Mouse Central and Peripheral Melanocortin Receptors" <i>J. Med. Chem.</i> , 2001, pp. 2247-2252, Vol. 44.	
	R12	HASKELL-LUEVANO, C. <i>et al.</i> "The Agouti-Related Protein Decapeptide (Yc[CRFFNAFC]Y) Possesses Agonist Activity at the Murine Melanocortin-1 Receptor" <i>Peptides</i> , 2000, pp. 683-689, Vol. 21.	
	R13	HASKELL-LUEVANO, C. <i>et al.</i> "Structure Activity Studies of the Melanocortin-4 Receptor by <i>in Vitro</i> Mutagenesis: Identification of Agouti-Related Protein (AGRP), Melanocortin Agonist and Synthetic Peptide Antagonist Interaction Determinants" <i>Biochemistry</i> , 2001, pp. 6164-6179, Vol. 40.	

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/602,394
Filing Date	June 23, 2003
First Named Inventor	Carrie Haskell-Luevano
Group Art Unit	(not yet assigned)
Examiner Name	(not yet assigned)
Attorney Docket Number	UF-375

Sheet 3 of 3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R14	McNulty, J. C. <i>et al.</i> "High-Resolution NMR Structure of the Chemically-Synthesized Melanocortin Receptor Binding Domain AGRP(87-132) of the Agouti-Related Protein" <i>Biochemistry</i> , 2001, pp. 15520-15527. Vol. 40.	
	R15	AL-OBEIDI, F. <i>et al.</i> "Potent and Prolonged Acting Cyclic Lactam Analogues of α -Melanotropin: Design Based on Molecular Dynamics" <i>J. Med. Chem.</i> 1989, pp. 2555-2561, Vol. 32.	
	R16	OOSTEROM, J. <i>et al.</i> "Common Requirements for Melanocortin-4 Receptor Selectivity of Structurally Unrelated Melanocortin Agonist and Endogenous Antagonist, Agouti Protein" <i>The Journal of Biological Chemistry</i> , January 12, 2001, pp. 931-936, Vol. 276, No. 2.	
	R17	PERRY, W. L. <i>et al.</i> "A Transgenic Mouse Assay for Agouti Protein Activity" <i>Genetics</i> , May 1995, pp. 267-274, Vol. 140.	
	R18	PERRY, W. L. <i>et al.</i> "Coupled Site-Directed Mutagenesis/Transgenesis Identifies Important Functional Domains of the Mouse Agouti Protein" <i>Genetics</i> , September 1996, pp. 255-264, Vol. 144.	
	R19	QUILLAN, J. M. <i>et al.</i> "A Synthetic Human Agouti-Related Protein-(83-132)-NH ₂ Fragment is a Potent Inhibitor of Melanocortin Receptor Function" <i>FEBS Letters</i> , 1998, pp. 59-62, Vol. 428.	
	R20	SAWYER, T. K. <i>et al.</i> "4- Norleucine, 7-D-Phenylalanine- α -Melanocyte-Stimulating Hormone: A Highly Potent α -Melanotropin with Ultralong Biological Activity" <i>Biochemistry</i> , October 1980, pp. 5754-5758, Vol. 77, No. 10.	
	R21	TOTA, M. R. <i>et al.</i> "Molecular Interaction of Agouti Protein and Agouti-Related Protein with Human Melanocortin Receptors" <i>Biochemistry</i> , 1999, pp. 897-904, Vol. 38.	
	R22	WILLARD, D. H. <i>et al.</i> "Agouti Structure and Function: Characterization of a Potent α -Melanocyte Stimulating Hormone Receptor Antagonist" <i>Biochemistry</i> , 1995, pp. 12341-12346, Vol. 34.	
	R23	YANG, Y-K. <i>et al.</i> "Functional Properties of an Agouti Signaling Protein Variant and Characteristics of its Cognate Radioligand" <i>Am. J. Physiol Regulatory Integrative Comp. Physiol.</i> , 2001, pp. R1877-R1886, Vol. 281.	
	R23	YANG, Y-K. <i>et al.</i> "Molecular Determinants of Ligand Binding to the Human Melanocortin-4 Receptor" <i>Biochemistry</i> , 2000, pp. 14900-14911, Vol. 39.	
	R25	YANG, Y-K. <i>et al.</i> "Characterization of Agouti-Related Protein Binding to Melanocortin Receptors" <i>Molecular Endocrinology</i> , 1999, pp. 148-155.	
	R26		

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